



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 19

**Complete if Known**

Application Number	10/801,361
Filing Date	March 15, 2004
First Named Inventor	Stephen R. Quake
Art Unit	1743
Examiner Name	Not Assigned
Attorney Docket Number	20174C-001140US

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
/TGK/	A1	US-2,656,508	10-20-1953	Coulter	
/TGK/	A2	US-3,560,754	02-02-1971	Kamentsky	
/TGK/	A3	US-3,570,515	03-16-1971	Kinner	
/TGK/	A4	US-3,747,628	07-24-1973	Holster et al.	
/TGK/	A5	US-4,046,159	09-06-1977	Pegourie	
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/TGK/	A12	US-4,898,582	02-06-1990	Faste	
/TGK/	A13	US-4,908,112	03-13-1990	Pace	
/TGK/	A14	US-4,963,498	10-16-1990	Hillman et al.	
/TGK/	A15	US-4,992,312	02-12-1991	Frisch	
/TGK/	A16	US-5,032,381	07-16-1991	Bronstein et al.	
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/TGK/	A18	US-5,088,515	02-18-1992	Kamen	
/TGK/	A19	US-5,096,388	03-17-1992	Weinberg	
/TGK/	A20	US-5,126,022	06-30-1992	Soane et al.	
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/TGK/	A22	US-5,140,161	08-18-1992	Hillman et al.	
/TGK/	A23	US-5,164,558	11-17-1992	Huff et al.	
/TGK/	A24	US-5,164,598	11-17-1992	Hillman et al.	
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/TGK/	A26	US-5,224,843	07-06-1993	Van Lintel	

Examiner Signature	/Timothy Kingan/	Date Considered	10/16/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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/TGK/	A27	US-5,259,737	11-09-1993	Kamisuki et al.	
/TGK/	A28	US-5,265,327	11-30-1993	Faris et al.	
/TGK/	A29	US-5,271,724	12-21-1993	van Lintel	
/TGK/	A30	US-5,290,240	03-01-1994	Horres, Jr.	
/TGK/	A31	US-5,336,062	08-09-1994	Richter	
/TGK/	A32	US-5,346,372	09-13-1994	Naruse et al.	
/TGK/	A33	US-5,375,979	12-27-1994	Trah	
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/TGK/	A35	US-5,400,741	03-28-1995	DeTitta et al.	
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/TGK/	A41	US-5,500,071	03-19-1996	Kaltenbach et al.	
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/TGK/	A80	US-6,117,634	09-12-2000	Langmore et al.	
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/TGK/	A85	US-6,296,673 B1	10-02-2001	Santarsiero et al.	
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/TGK/	A87	US-6,345,502 B1	02-12-2002	Tai et al.	
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/TGK/	A89	US-6,409,832 B2	06-25-2002	Weigl et al.	
/TGK/	A90	US-2003/0008308 A1	01-09-2003	Enzelberger et al.	
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/TGK/	A93	US-6,767,706 B2	07-27-2004	Quake et al.	
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/TGK/	A95	US-6,960,437	11-01-2005	Enzelberger et al.	

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
/TGK/	B1	EP	0 592 094	A2	04-13-1994	International Business Machines Corporation		<input type="checkbox"/>
/TGK/	B2	EP	0 703 364	A1	03-27-1996	Fraunhofer- Gesellschaft Zur Förderung Der Angewandten Forschung E.V.		<input type="checkbox"/>
/TGK/	B3	EP	0 706 004	A2	04-10-1996	Bayer Corporation		<input type="checkbox"/>
/TGK/	B4	EP	0 745 682	B1	12-04-1996	Bayer AG		<input type="checkbox"/>
/TGK/	B5	EP	0 778 351	B1	06-11-1997	Hitachi, Ltd.		<input type="checkbox"/>
/TGK/	B6	EP	0 779 436	A2	06-18-1997	Frank T. Hartley		<input type="checkbox"/>
/TGK/	B7	EP	0 829 360	A2	03-18-1998	Xerox Corporation		<input type="checkbox"/>
/TGK/	B8	EP	0 845 603	A1	06-03-1998	Xerox Corporation		<input type="checkbox"/>
/TGK/	B9	EP	0 999 055	A2	05-10-2000	Samsung Electronics Co., Ltd.		<input type="checkbox"/>
/TGK/	B10	GB	2 155 152	A	09-18-1985	Allied Corporation		<input type="checkbox"/>
/TGK/	B11	GB	2 264 296	A	08-25-1993	Zortech International Limited		<input type="checkbox"/>
/TGK/	B12	GB	2 264 496	A	09-01-1993	United States Department of Energy		<input type="checkbox"/>
/TGK/	B13	GB	2 308 460	A	06-25-1997	Daewoo Electronics Co., Ltd.		<input type="checkbox"/>
/TGK/	B14	WO	91/13338	A2	09-05-1991	Hatfield Polytechnic Higher Education Corporation		<input type="checkbox"/>
/TGK/	B15	WO	91/15750	A1	10-17-1991	Carrimed Ltd.		<input type="checkbox"/>
/TGK/	B16	WO	94/05414	A1	03-17-1994	The Regents of the University of California		<input type="checkbox"/>
/TGK/	B17	WO	95/33846	A1	12-14-1995	Affymax Technologies N.V.		<input type="checkbox"/>

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/TGK/	B18	WO	95/33853	A1	12-14-1995	University of Tennessee Research Corporation		<input type="checkbox"/>
/TGK/	B19	WO	97/02357	A1	01-23-1997	Affymetrix, Inc.		<input type="checkbox"/>
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/TGK/	B24	WO	99/04361	A1	01-28-1999	Diversified Scientific, Inc.		<input type="checkbox"/>
/TGK/	B25	WO	99/17093	A1	04-08-1999	The Regents Of The University Of Michigan		<input type="checkbox"/>
/TGK/	B26	WO	99/52633	A1	10-21-1999	Lumenal Technologies, L.P.		<input type="checkbox"/>
/TGK/	B27	WO	00/00678	A1	01-06-2000	University Of Washington		<input type="checkbox"/>
/TGK/	B28	WO	00/43748	A1	07-27-2000	YSI Incorporated		<input type="checkbox"/>
/TGK/	B29	WO	00/60345	A1	10-12-2000	University Of Alabama At Birmingham Research Foundation		<input type="checkbox"/>
/TGK/	B30	WO	01/09595	A2	02-08-2001	Emerald Biostructures, Inc.		<input type="checkbox"/>
/TGK/	B31	WO	01/09595	A3	02-08-2001	Emerald Biostructures, Inc.		<input type="checkbox"/>

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NON PATENT LITERATURE DOCUMENTS					
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/TGK/	C1	"Biochips," Nature Biotechnology, Vol. 18, Supplement 2000, pp. IT43-IT44, 2000			
/TGK/	C2	"Chapter 9: Microfluidic Devices," Micromachined Transducers Sourcebook, pp. 779-882, 1998			
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Sheet	8	of	19	Attorney Docket Number	20174C-001140US

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Sheet	9	of	19		

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Sheet	11	of	19	

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Sheet	15	of	19	

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